

Joint Test and Evaluation (JT&E) Program



Loretta Bloomer
Program Manager

JT&E Purpose

- **Find ways for the Warfighters to do their job better with today's equipment, organization and doctrine**
 - **A means to bring two or more Services together to:**
 - **Assess Service system interoperability**
 - **Evaluate Joint technical and operational concepts and recommend improvements**
 - **Increase joint mission capability using quantitative data for analysis.**
 - **Improve Tactics, Techniques and Procedures (TTPs)**
 - **Improve Training**
 - **Transition products to the warfighters**
- **Provide better tools and ways to test**
 - **Validating testing methodologies that have multi-Service applications**
 - **Improve Modeling and Simulation validity with field exercise data**
- **Provide feedback to the acquisition and joint operations communities**

Annual Budget - approximately \$40M

Chain of Command

**Under Secretary of Defense
(Acquisition, Logistics & Technology)**
HON. Dr. Jacques S. Gansler

**Principle Deputy
Under Secretary of Defense
(Acquisition, Logistics & Technology)**
HON. Mr. David R Oliver

**Director, Strategic
& Tactical System**
Dr. George Schneider

**Co-chairs
Senior Advisory Council**

**Deputy Director
Development Test & Evaluation**
Richard L. Lockhart

**Directs
JT&E Program**

**Joint Test & Evaluation
(JT&E) Program**
Loretta Bloomer

Program Manager

JWF JT&E
COL Kniskern

JCAS JT&E
Col Brown

JCMD JT&E
Col McNew

JECSIM JT&E
CAPT Franklin

JGPSCE JT&E
Col Greenlee

Feasibility Studies
•JASMAN
•JAT/FP
•JUAV-TSO
•JCOBIAA

JSEAD JT&E
Col Westenhoff

JSHIP JT&E
CAPT Thompson

JTD JT&E
COL Bucher

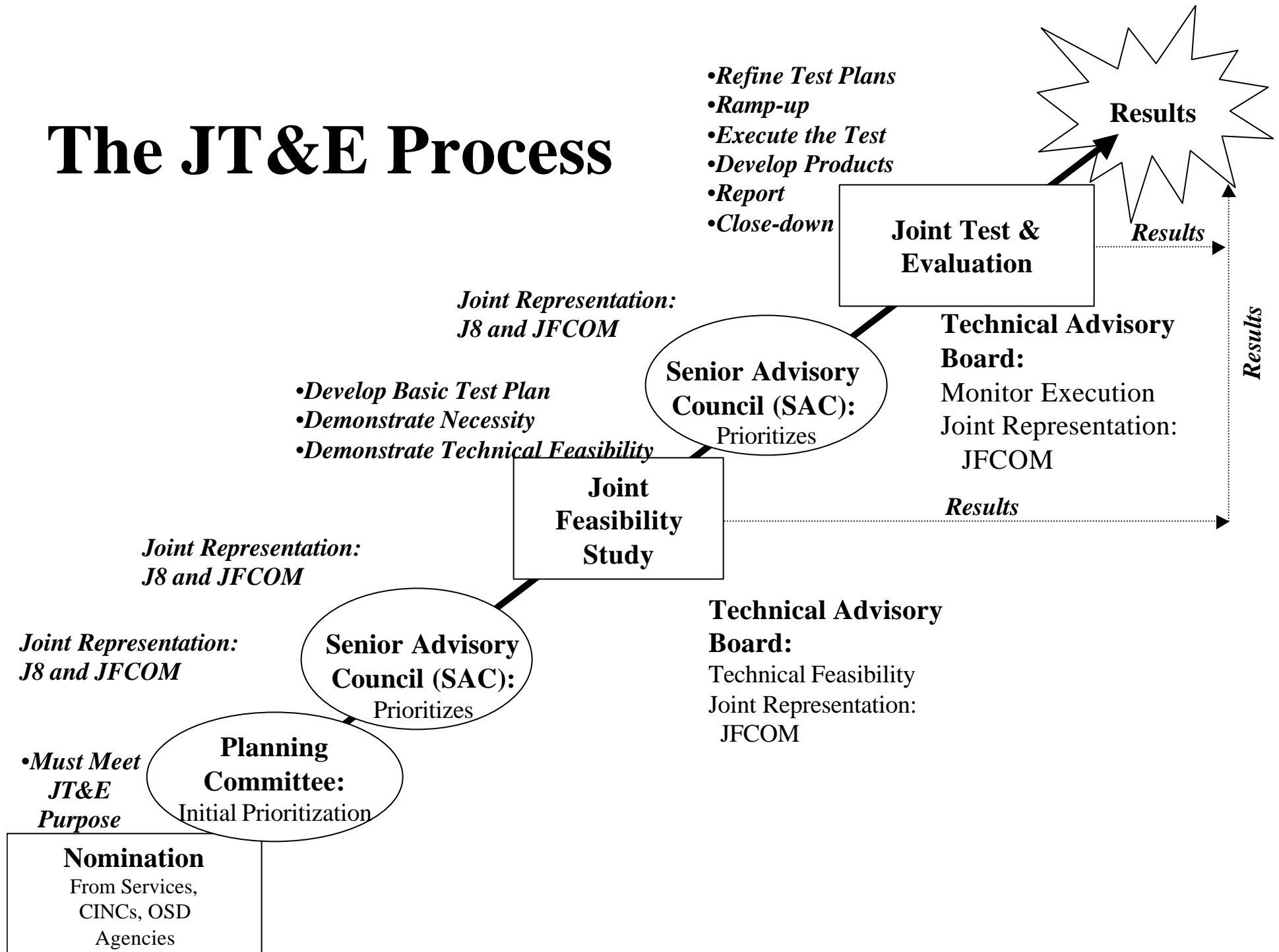
JC2ISR JT&E
LtCol Treat

JBDA JT&E
LTC Biel

Criteria for Joint Test

- **Assess interoperability of Service systems in joint operations and explore potential solutions to identified problems,**
- **Evaluate and provide recommendations for improvements in joint technical and operational concepts,**
- **Evaluate and validate multi-Service application testing methodologies,**
- **Assess technical or operational performance of systems under realistic joint operational conditions, or**
- **Provide joint field test and exercises data for validating models, simulations, and test beds.**
- **Focus on the Concepts of Joint Vision 2020**
 - Precision Engagement
 - Dominant Maneuver
 - Full Dimension Protection
 - Information Superiority
- **Have a lead-Service or Agency willing to commit required resources**

The JT&E Process



OSD Role & Responsibilities

- **JT&E funding**
- **JT&E management**
 - **Nomination process****
 - **Senior Advisory Council annual reviews****
 - **Technical Advisory Board reviews****
 - **Three scheduled -- Jan, May, & Sep**
 - **Unscheduled reviews**
 - **Infrastructure Management**
 - **Financial management**
 - **Property management**
 - **Contract management**
 - **Security Management**
- **JT&E Training Program - Nomination, Feasibility Study, and Joint Test training**
- **Oversight of test execution**
- **Provide technical assistance to the test directors****

***** With Participation
by OSD, Services, Joint
Staff, JFCOM***

JT&E Partnerships

- **Services investment:**
 - Senior Advisory Council (SAC) members, Technical Advisory Board (TAB), and Planning Committee (PC)
 - All O&M support
 - All military and Government civilian personnel
 - Facilities for JT&E/JFS personnel
 - Access to Service exercises, e.g., Blue Flag, Green Flag
 - Ranges and other test facilities
- **Joint Commands**
 - Provide access to joint exercises
 - GOSC membership
 - Customer
- **Joint Forces Command**
 - Membership on the SAC, TAB, and PC
 - General Officer Steering Committee Participation
 - Customer
- **OSD Agencies -- Membership on the SAC, TAB, & PC**





Army Lead Projects

Current Test

- **Joint Theater Distribution**
 - Enhance program theater distribution effectiveness and efficiency
- **Joint Warfighter**
 - Improve the prosecution of time-sensitive surface targets (TSSTs) in the joint battlespace
- **Joint Battle Damage Assessment**
 - Assess the current and potential capabilities of the BDA process

Current Feasibility Studies

- **Joint Antiterrorism / Force Protection (JAT/FP)**
 - Assess risk management results for antiterrorist force protection procedures and the application of enhanced survivability procedures



Navy Lead Projects

Current Test

- **Joint Electronic Combat Testing Using Simulation**
 - Improve testing of systems in an electronic combat environment
- **Joint Shipboard Helicopter Integration Process**
 - Improve the interoperability and safety of Service rotorcraft with Navy Air Capable Ships.

Current Feasibility Studies

- **Joint UAVs in Time Sensitive Operations (JUAV-TSO)**
 - Assess methods of UAV employment to support real time, dynamic employment and retasking by warfighters conducting time sensitive operations
- **Joint C4ISR Outcome-Based Integrated Architecture Assessment (JCOBIAA)**
 - Develop and validate a methodology to assess C4ISR architectures as they relate to mission outcome. Produce planning and analysis tools for CINCs and Services at the operational level.





Air Force Lead Projects

Current Test

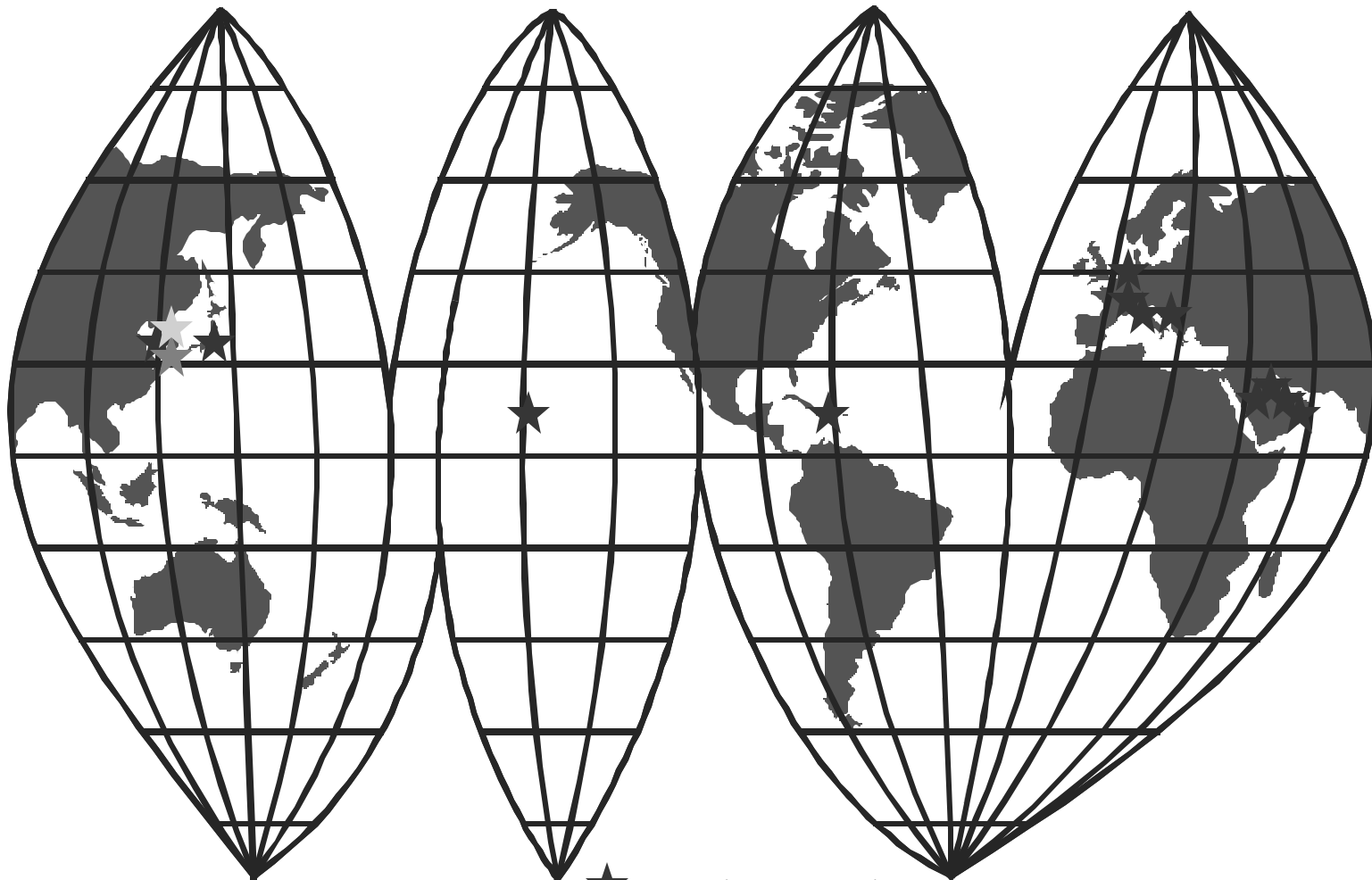
- **Joint Suppression of Enemy Air Defenses**
 - Improve the end-to-end reactive JSEAD targeting process
- **Joint Close Air Support**
 - Evaluate JCAS baseline effectiveness and examine potential alternative CAS control procedures
- **Joint GPS Combat Effectiveness**
 - Quantify the impact of GPS EW on joint operational effectiveness in conducting precision engagement missions.
- **Joint Cruise Missile Defense**
 - Provide a baseline of current Joint air defense system capabilities and procedures in the CMD mission & quantify the effects of C2, sensor, and shooter systems enhancements in the CMD counter-air role
- **Joint C2ISR**
 - Improve JTF Commander's capability to locate high value targets, conduct combat assessment by improving JC2ISR sensor management

Current Feasibility Studies

- **Joint Aircraft Survivability to MANPADS (JASMAN)**
 - Assess current and enhanced procedures for reducing the risk from IR MANPADS.



World-wide Test Sites



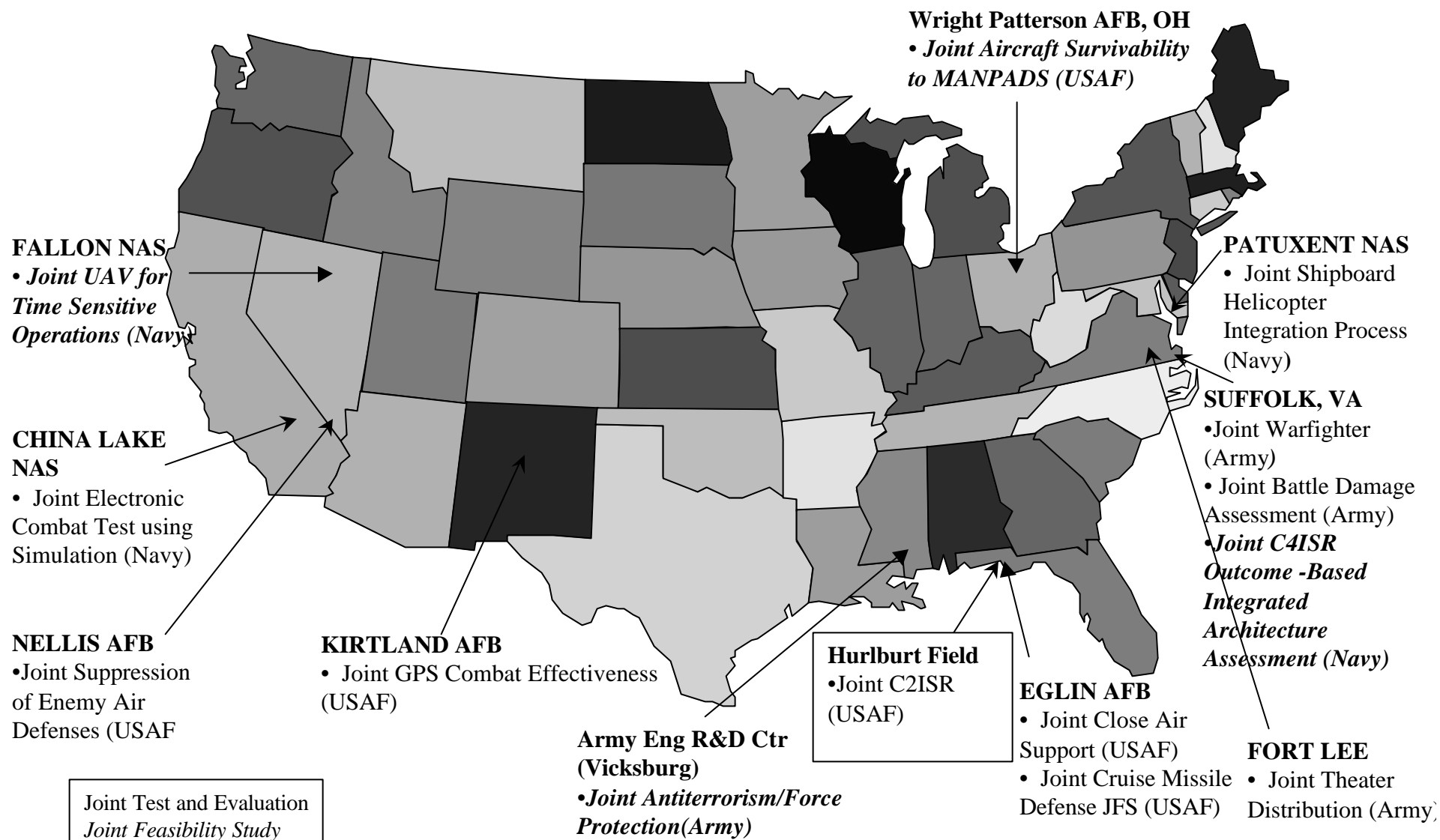
★ *Joint Theater Distribution*

★ *Joint Warfighter*

★ *Joint Battle Damage Assessment*

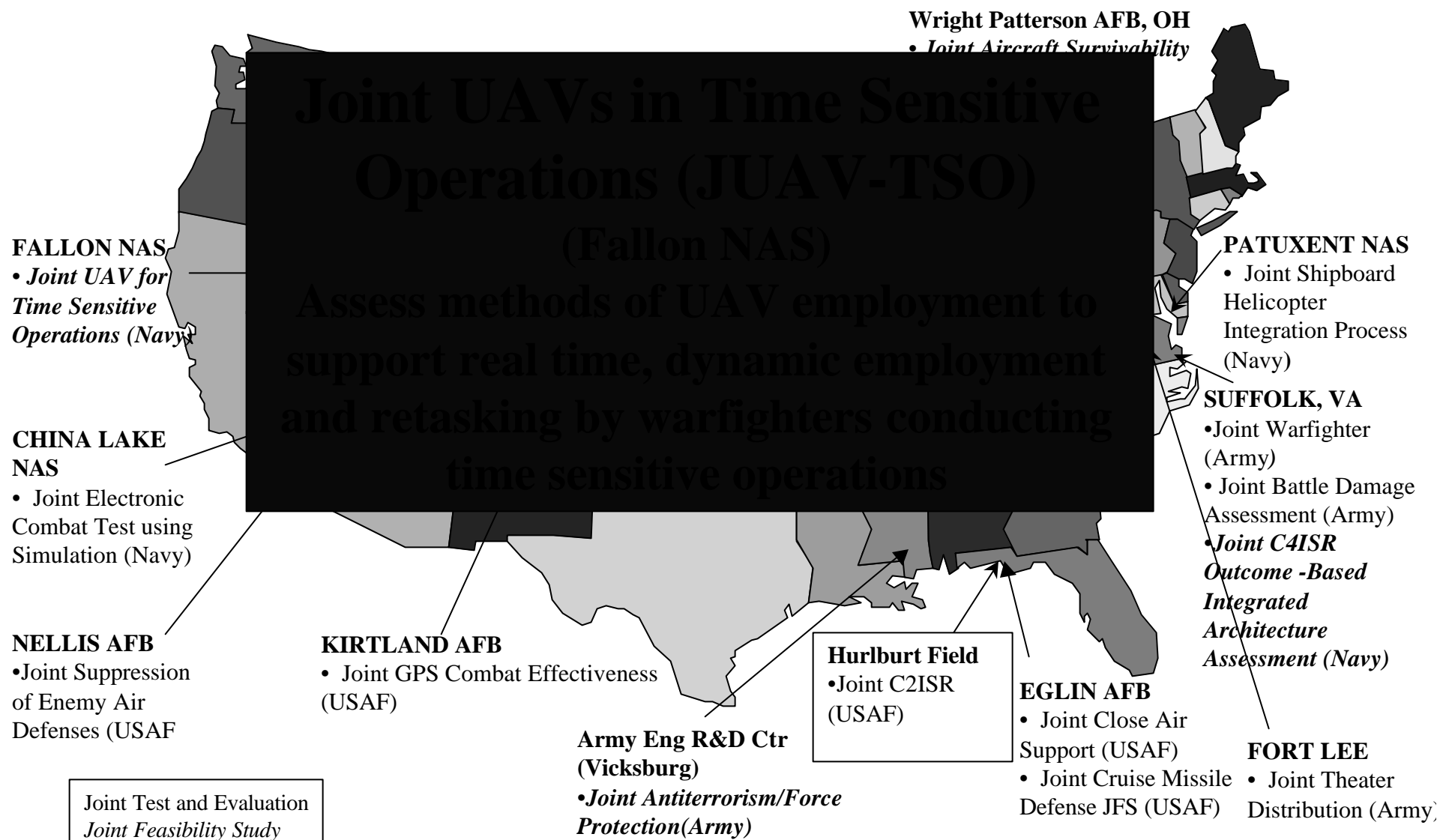
JT&E Locations

10 Tests, 4 Joint Feasibility Studies, 11 Locations



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JT&E Locations

10 Tests, 4 Joint Feasibility Studies, 11 Locations

Wright Patterson AFB, OH

• Joint Aircraft Survivability

(MANPADS) (USAF)

Joint Cruise Missile Defense

(Eglin AFB)

Provide a baseline of current Joint air defense system capabilities and procedures in the CMD mission & quantify the effects of C2, sensor, and shooter systems enhancements in the CMD counter-air role

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NELLIS AFB

• Joint Suppression of Enemy Air Defenses (USAF)

KIRTLAND AFB

• Joint GPS Combat Effectiveness (USAF)

Army Eng R&D Ctr (Vicksburg)

• Joint Antiterrorism/Force Protection (Army)

Hurlburt Field

• Joint C2ISR (USAF)

EGLIN AFB

• Joint Close Air Support (USAF)
• Joint Cruise Missile Defense JFS (USAF)

Architecture Assessment (Navy)

FORT LEE

• Joint Theater Distribution (Army)

Joint Test and Evaluation
Joint Feasibility Study



Joint Test & Evaluation Bottom Line



- A quarter century legacy of support to the Warfighters
 - Yet responsive to change (e.g., JV2020)
- On the leading edge of developing new Tactics, Techniques & Procedures
- Making inventory military systems more effective
- The JT&E Program is managed by OSD, but it requires Active participation and support of the Services, OSD Agencies, Joint Staff, JFCOM, and CINCs



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